

Title (en)

Disposal of spent catalyst by vitrification.

Title (de)

Entsorgung von verbrauchten Katalysatoren durch Verglasung.

Title (fr)

Elimination de catalyseurs usés par vitrification.

Publication

EP 0418010 A2 19910320 (EN)

Application

EP 90309867 A 19900910

Priority

GB 8920636 A 19890912

Abstract (en)

Spent oxidic catalyst, such as vanadium pentoxide from a sulphuric acid manufacturing process, is rendered into an environmentally acceptable non-leachable form suitable for disposal by incorporation into a vitrified amorphous slag formed of oxidic slag forming agents such as CaO, SiO₂, FeO and Al₂O₃. The vitrified slag may be formed as part of a conventional ferrous or non-ferrous smelting process, or may employ a pre-existing slag from such a process.

IPC 1-7

B09B 3/00; **C03B 5/00**; **C03C 6/00**

IPC 8 full level

B09B 3/00 (2006.01); **C03C 1/00** (2006.01); **C03C 6/00** (2006.01); **C03C 6/10** (2006.01)

CPC (source: EP US)

B09B 3/29 (2022.01 - EP US); **C03C 1/002** (2013.01 - EP US); **Y10S 423/12** (2013.01 - EP US)

Cited by

EP0636584A3

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0418010 A2 19910320; **EP 0418010 A3 19920304**; GB 8920636 D0 19891025; US 5091001 A 19920225

DOCDB simple family (application)

EP 90309867 A 19900910; GB 8920636 A 19890912; US 58077490 A 19900911